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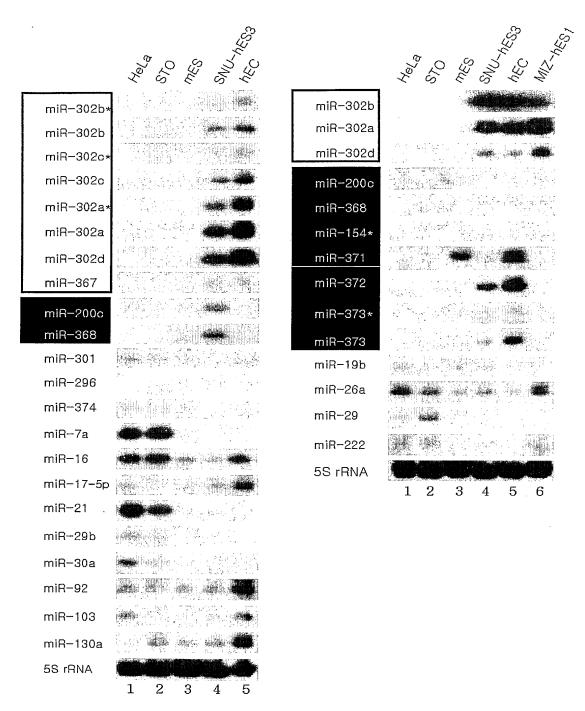
FIG. 1

miR-302b* miR-302b	ຄັ	GG CUUCA <u>UU NGCAAG CUU CU 1</u> UGUGCGU GCUCC <u>ACU AACNUGGAAG CUU CU 1</u> U UAACCUA UGA <u>UKGUACCUUC GAA. GA</u> U AAAUU GU U AAAUU	miR-369 ⁵¹	AG — UA CUUUA UKGA GGAGAU GACCGUGU UAUUCG U GACU <u>UUUCUA UKGGUACA, AIBA</u> GC U CU <u>G</u> <u>UA</u> UUCAG
miR-302c* miR-302c	ñ	CC UG UU <u>C G UG</u> GGGAU CCUU CU <u>AACAUGGGGGINC UGCU</u> UG CUCUG GGAG GA <u>UUGIACCULCGING A</u> UGA AC A U— GÜ CU <u>A</u> AA AA	miR-370 ^{s'}	AGNOA CA GU U U AONGC AGNOAG GCCAGGU C CUC GCAG UAC \ UCUGUC UGGUCCA G GGG CGUC GUG U —————————————————————————————————
miR-302a* miR-302a	Ĭrs	C. U U U GAAA CCA CACU AAACGUGGA GUACUUKGUUU 1 GGU GUGG UJUSUACAU GGUGAAUGAAG C A U AAAU	miR-301 ⁵ '	AA A C U A C CUGUGU VGCCU CG AVGCU UGAC UUAUVGCACU CUGUA 1 GACGA GALGA GALGACGUCA GACAU U GACGA GALGA GALGA GALGA GALGA GALGA U GAAUC U
miR-302d	ξο.	C UC U ACAUGGAGGCACUJG UGU C UCCUUGG GG GLGAG UKGUACGUKGUGAAU ACA A UCCUUGG GG UKGUACGUKGUKAAU ACA A U U— U	miR-371 ^{s'}	CU GUGGCACUCAAA GUGG GGCACUUUC GCU U UCG CAU <u>KGUCAGUUU UACC CCGUG</u> AAAG UGG C C— U <u>K</u> <u>G</u> — U
miR-367	က်	UGGU AAG CCAUMCKSUKSCUAA UKOAA UKUGA UGUU ACCGA UGUU GGU <u>AGUKGUACGAUU ACGUU</u> AGGU A AU A	miR-372 ^{6′}	CU G — — G A GAUGU I VCACC GUGG C CUCAAAUGU G AGCACU UUCU I AGGG C C AGGGCU UUCU I AGGG C C C G GGULUACA C UGGIGA AAGG C C C C G G G G G C C C C AGGGC C C C
miR-200c	ο <u>,,</u>	CU — A U U GGU GGGGGGGGC CGUC UINCCC GCAGIGGUU GGG GC U CUGUCCCG GIAG AAUGGG CGUCAUAA CUC UG G AG $\frac{1}{4}$ $\frac{1}{6}$ $\frac{1}{4}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$	miR-373* 5' miR-373	N GGGAUACUC AAAAU GGGGCGCUUUCC UUUUUG UUCCUUUCC UUUCG UUUUA CUUCGUGAAGGG C
miR-368	ណំ	U G UA U UGUUAU AAAA GUGGA UUCCU CUAUGUUUA \\ AAACUAUGA U <u>UUU CACCU AAGGA GAUACA</u> AAU U \\ C <u>G UA</u> U	miR–296 ^s '	CA C C C C CCUUC GAGGCC CC CUCAAUCCU LUG (GGGAAG CUCUCGG GG GGGUUGGGA GAC U UC A U — UUAA
miR-154*	ŭo	U UUU LACU GAAGALIAGGULIA CCGUSU UG UGC 1 AUGA UVU <u>LIALICCAGU GGCACA AC</u> AGUG A C <u>U UAA</u> GC UUU	miR-374 ^{5′}	C C UAA <u>UAUAAUACAA CUGAUAAGUGU</u> A AUGUG CUG UAAUGUUAUGUU GACUAUUCACG U A

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FIG. 2



GTGCNNCNA-NNTINGNGNGT

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FIG. 3

TAAGTGCTTCCATGTTTNNGTNN

--GC<u>TTTAACATGGGGGTACCTGCTG</u>TG-TGAAACAAAGTAAGTGCTTCCATGTTTCAGTGGAGG ---CT<u>TAAACGIGGAIGTACTIGCTIIT</u>GAAACIAAAGAAGIAAGIGCTICCAIGITIIGGIGAIGG CA<u>BCTTTAACATGGAAGTGCTTTTCT</u>GTG--ACTTTAAAAGTAAGTGCTTCCATGTTTTAGTAGGA---ACTITIAACATGGAGGCACTIGCTGTGACATGACAAAATAAGTGCTTCCATGTTTGAGTGTGG ** ************ # miR-302b*~302b~302c*~302c~302a*~302a~302d~367 (chromosome 4) *** *** *** miR-302b* and 302b Template miR-302c* and 302c miR-302a* and 302a miR-*302d* concensus

B miR-371~372~373*~373 (chromosome 19)

TGTGGCACTCAAACTGTGGGGGCACTTTCTGCTCTCTG-GT--GAAAGTGCCGCCATCTTTTGAGTGTTTA TGTGGGCCTCAAA-TGTGGAGCACTATTCTGATGTCCA-AGTGGAAAGTGCTGCGA-CATTTGAGCGTCA -GGGAT<u>AČTCAAAATGGGGGCGCTTTCC</u>TTTTTGTCTGTACTGGGAAGTGCTTCGA-TTTTGGGGTGTCTCC miR-373* and 373 Template miR-371

concensus

** *** ***

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FIG. 4

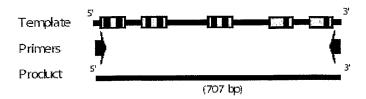
miR-302b*~302b~302c*~302c ~302a*~302a~302d~367 miR-371~372~373*~373 Oct4 miR-30a~30a* let-7a-1 GAPDH

1 2 3 4 5 6 7 8 WO 2005/056797 PCT/KR2004/003308

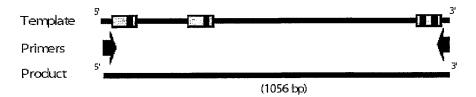
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FIG. 5

a) miR-302b*~302b~302c*~302a~302d~367 (chromosome 4)



b) miR-371~372~373*~373 (chromosome 19)



c) let-7a-1

Template

Primers

Product

5

(160 bp)

d) miR-30a~30a*

Primers

Product

5

(301 bp)

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FIG. 6

A: miR-302b*~302b~302c*~302c~302a*~302a~302d~367 B: miR-371~372~373*~373 C: human β-actin

